

Title (en)

Electrochemically generated organothiating reagents and their use

Title (de)

Elektrochemisch hergestellte Organothiasierungsreagenzien und ihre Anwendung

Title (fr)

Reactifs organothiagènes, produits par voie électrochimique et leur application

Publication

**EP 1048752 A3 20001206 (EN)**

Application

**EP 00109015 A 20000427**

Priority

US 30290899 A 19990430

Abstract (en)

[origin: EP1048752A2] Electrolysis of organic disulfides in liquid sulfur dioxide is used to obtain organothiating agents, which can then be reacted with appropriate substrates to effect the synthesis of organothioaromatic compounds efficiently and in high yields. With appropriate phenolic compounds, regioselective substitution occurs in which para substitution greatly exceeds ortho substitution.

IPC 1-7

**C25B 3/00**

IPC 8 full level

**C25B 3/02** (2006.01); **C25B 3/23** (2021.01)

CPC (source: EP US)

**C25B 3/23** (2021.01 - EP US)

Citation (search report)

- [PX] R.S. GLASS: "Electrochemical electrophilic aromatic methylthiation in liquid SO<sub>2</sub>", TETRAHEDRON LETTERS, vol. 40, 27 August 1999 (1999-08-27), pages 6357 - 6358, XP002149726
- [DY] QUANG THO DO: "Electrophilic substitutions with the electrogenerated sulfenium cation", TETRAHEDRON LETTERS, vol. 39, 1998, pages 4657 - 4658, XP002149727
- [Y] JOURNAL OF THE CHEMICAL SOCIETY, PERKIN TRANSACTIONS 2, 1975, pages 900 - 903, XP002149728

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